

| Form PTO-1449 | | Docket Number 251692002821 | | Application Number 08/993,696 | | | |
|--|----------|----------------------------------|--------------|------------------------------------|-------|----------|----------------------------|
| INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary) | | Applicant D. SCHANZLIN et al. | | | | | |
| | | Filing Date 18 December 1997 | | Group Art Unit To Be Assigned 3738 | | | |
| PATENT & TRADEMARK OFFICE U.S. PATENT DOCUMENTS | | | | | | | |
| Examiner Initials | Ref. No. | Date | Document No. | Name | Class | Subclass | Filing Date If Appropriate |
| <i>On</i> | 1. | 10/28/75 | 3,915,172 | Wichterle et al. | | | |
| <i>On</i> | 2. | 03/29/77 | 4,014,335 | Arnold | | | |
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| <i>On</i> | 5. | 09/15/87 | 4,693,939 | Ofstead | | | |
| <i>On</i> | 6. | 12/01/87 | 4,709,996 | Michelson | | | |
| <i>On</i> | 7. | 03/15/88 | 4,731,080 | Galín | | | |
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| <i>On</i> | 9. | 03/28/89 | 4,815,463 | Hanna | | | |
| <i>On</i> | 10. | 07/25/89 | 4,851,003 | Lindstrom | | | |
| <i>On</i> | 11. | 09/05/89 | 4,863,457 | Lee | | | |
| <i>On</i> | 12. | 03/13/90 | 4,907,587 | Fedorov et al. | | | |
| <i>On</i> | 13. | 06/26/90 | 4,936,825 | Ungerleider | | | |
| <i>On</i> | 14. | 07/10/90 | 4,941,093 | Marshall et al. | | | |
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| <i>On</i> | 17. | 02/25/92 | 5,090,955 | Simon | | | |
| <i>On</i> | 18. | 03/24/92 | 5,098,443 | Parel et al. | | | |
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| <i>On</i> | 27. | 08/19/97 | 5,653,754 | Nakajima et al. | | | |
| EXAMINER: <i>[Signature]</i> | | | | | | | |
| DATE CONSIDERED: 11-17-00 | | | | | | | |
| EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant. | | | | | | | |

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FOREIGN PATENT DOCUMENTS

| Examiner Initials | Ref. No. | Date | Document No. | Country | Class | Subclass | Translation YES NO | |
|-------------------|------------------|----------|----------------|-----------------|-------|----------|-----------------------|--|
| <i>Dr</i> | 28. | 03/21/89 | 8705060 | Brazil | | | X | |
| <i>Dr</i> | (29) | 09/29/82 | 2095119 | Great Britain | | | | |
| <i>Dr</i> | 30. | 01/09/92 | WO 92/00112 | PCT <i>wipo</i> | | | | |
| <i>Dr</i> | (31) | 07/22/93 | WO 93/13724 | PCT | | | | |
| <i>Dr</i> | (32) | 11/28/93 | WO 93/20763 | PCT | | | | |
| <i>Dr</i> | 33. | 02/17/94 | WO 94/03129 | PCT | | | | |
| <i>Dr</i> | (34) | 03/17/94 | WO 94/05232 | PCT | | | | |
| <i>Dr</i> | 35. | 02/09/95 | WO 95/03755 A1 | PCT | | | | |
| <i>Dr</i> | 36 ⁴⁵ | 02/09/95 | WO 95/03747 A1 | PCT | | | | |
| <i>Dr</i> | 37. | 03/02/95 | WO 95/05789 | PCT | | | | |
| <i>Dr</i> | 38. | 06/29/95 | WO 95/17144 | PCT | | | | |
| <i>Dr</i> | 39. | 07/13/95 | WO 95/18569 | PCT | | | | |
| <i>Dr</i> | 40. | 09/05/96 | WO 96/26690 | PCT | | | | |
| <i>Dr</i> | 41. | 12/19/96 | WO 96/39921 | PCT | | | | |
| <i>Dr</i> | 42. | 12/19/96 | WO 96/40005 A1 | PCT | | | | |
| <i>Dr</i> | 43. | 08/14/97 | WO 97/28759 A1 | PCT | | | | |
| <i>Dr</i> | 44. | 01/29/98 | WO 98/03136 A2 | PCT | | | | |
| <i>Dr</i> | 45. | 01/29/98 | WO 98/03136 A3 | PCT <i>wipo</i> | | | | |
| <i>Dr</i> | 46. | 02/07/86 | 1209211 | Russia | | | X | |
| <i>Dr</i> | (47) | 10/30/92 | 1771730 | Russia | | | X | |
| <i>Dr</i> | (48) | 07/05/93 | 388,746 | Russia | | | X | |

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| Examiner Initials | Ref. No. | Title |
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| <i>Dr</i> | 49. | Avetisov et al., "On patterns and causes of changes in the curvature of the cornea after operation on the muscoli recti oculi" UDC 617.761-009.11-089.168-06:617.713.5-02-07 (Russian to English translation) (received on 8/20/83) pp. 24-26. |
| <i>Dr</i> | 50 ⁴⁵² | Choyce et al., "Additional thoughts on polysulfone corneal inlays" <i>J. Cataract. Refract. Surg.</i> (1997) 23:8-9. |
| <i>Dr</i> | 51. | Crawford et al., "Preliminary evaluation of a hydrogel core-and skirt keratoprosthesis in the rabbit cornea" <i>J. Refract. Surg.</i> (1996) 12:525-29. |

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| Examiner Initials | Ref. No. | Title | |
| <i>Dr</i> | 52. | D'Hermies et al., "Biocompatibility of a refractive intracorneal PMMA ring" <i>Fortschritte der Ophthalmologie</i> (1991) 88:790-93. | |
| <i>Dr</i> | 53. | Database WPI, Section PQ, Derwent Publications Ltd., London, GB; Class P, AN 84-229697, XP002014788 & SU 1066591 (Tartu. Univ.) 15 January 1984. | |
| <i>Dr</i> | 54. | Database WPI, Section PQ, Week 8740, Derwent Publications Ltd., London, GB; Class P, AN 87-283486, XP002014787 & SU, A, 1 296 153 (Eye Disease Res. Ins.), 15 March 1987. | |
| <i>Dr</i> | (55.) | Derwent abstract of SU 1771730 "Simple myopic astigmatism correction method - forming two opposite arched tunnels at identical distance from optic centre and introducing strip inserts of set transverse section into them" (10/30/92) | |
| <i>Dr</i> | 56. | Gonchar et al., "Interlayer refraction tunnel keratoplasty in correcting myopia and astigmatism" UDC 617.753.2+617.753.3 - 089:617.713 - 089.844 <i>Vestnik Oftalm.</i> (1988) 104(4):25-30. (Russian to English translation) | |
| <i>Dr</i> | (57.) | Internet abstract of Linnola et al., "Titanium and bioactive glass-ceramic coated titanium as materials for keratoprosthesis" <i>Exper. Eye Res.</i> (1996) 63(4):471-78 from http://gateway.ovid.com/server1/ (1 page total). | |
| <i>Dr</i> | (58.) | Nataloni, "Gel injection adjustable keratoplasty shows promise" <i>Occular Surg. News</i> (March 1997) 1 page total | |
| <i>Dr</i> | (59.) | Parks et al., "Hydrogel keratophakia: Long-term morphology in the monkey model" <i>CLAO J.</i> (1991) 17(3):216-22. | |
| <i>Dr</i> | 60. | Temirov et al., "Refraction ring-like tunnel keratoplasty for the correction of high myopia" <i>Vestnik Oftal'mologii</i> (1991) 107(3):23-31. | |
| <i>Dr</i> | (61.) | Werblin et al., "Initial human experience with permalens® myopic hydrogel intracorneal lens implants" <i>Refract. & Corneal Surg.</i> (1992) 8:23-26. | |
| EXAMINER: <i>Dr</i> | | | |
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